

**FIG. 2**

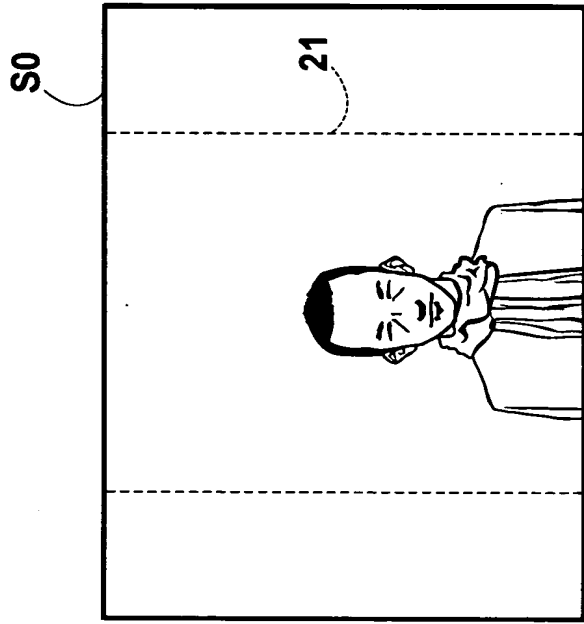


FIG. 3A

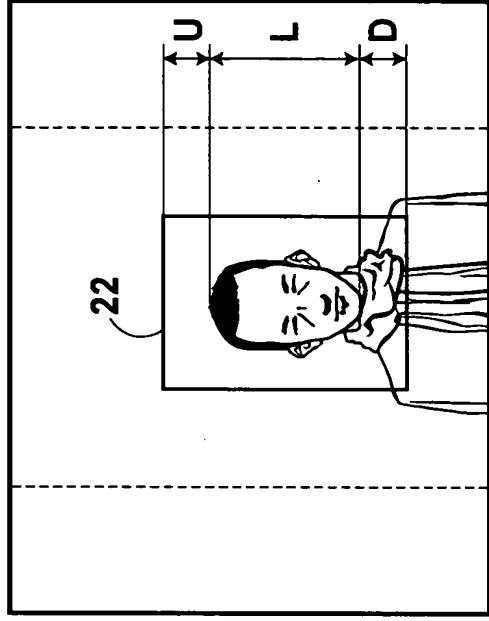
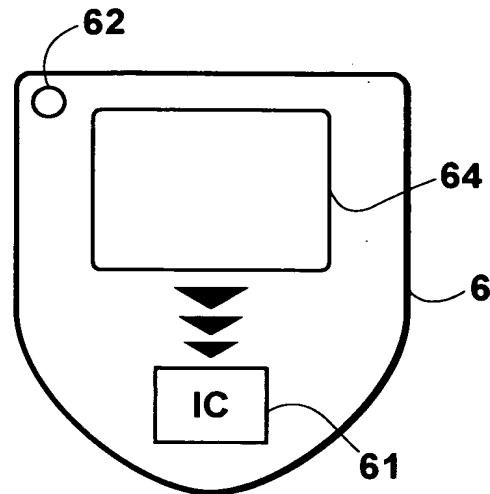
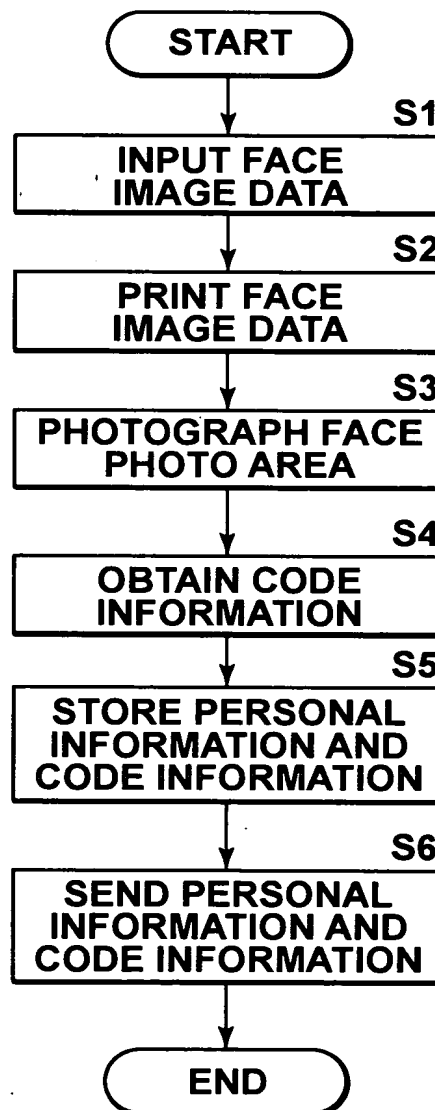


FIG. 3B

**FIG.4**

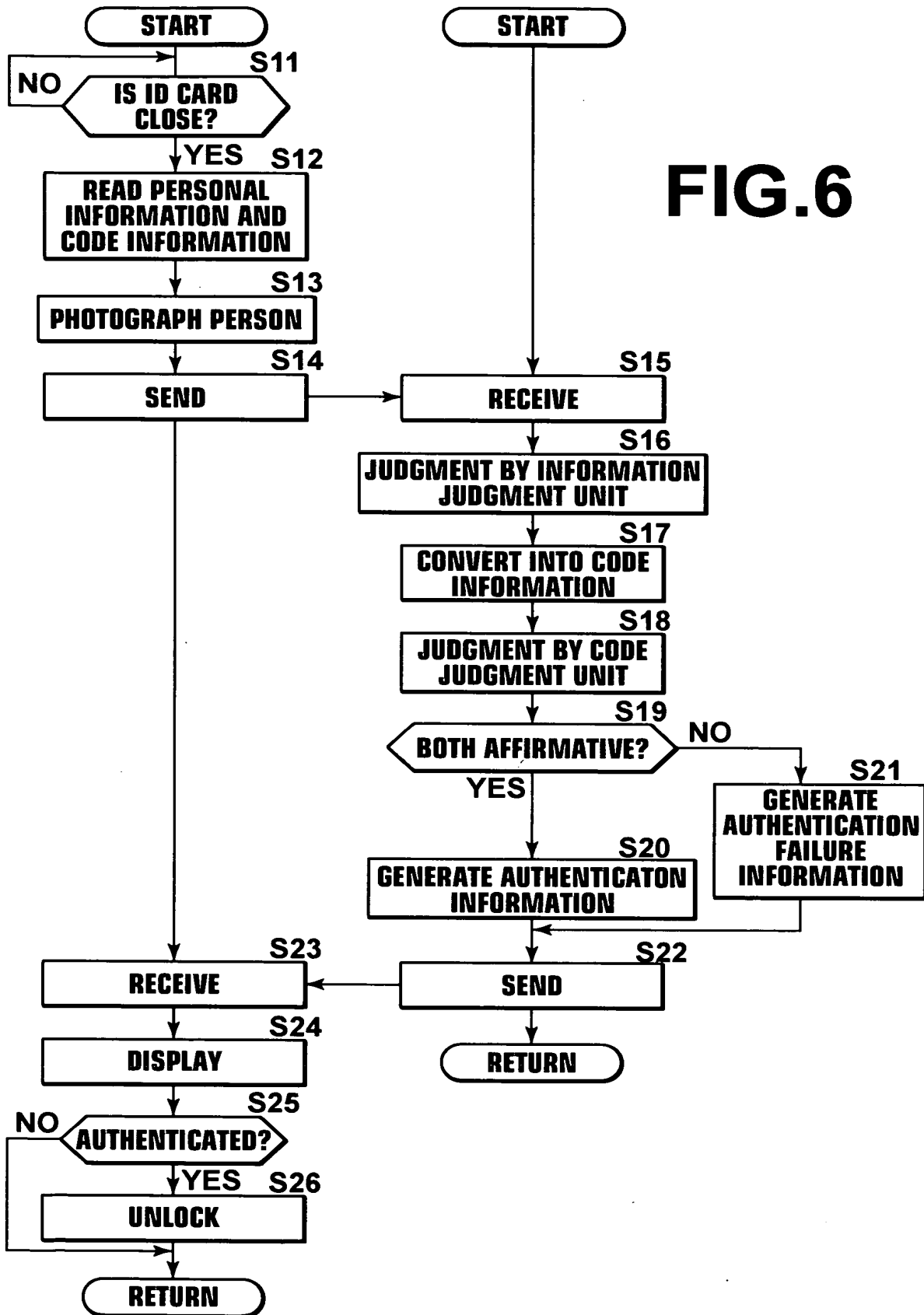


**FIG.5**

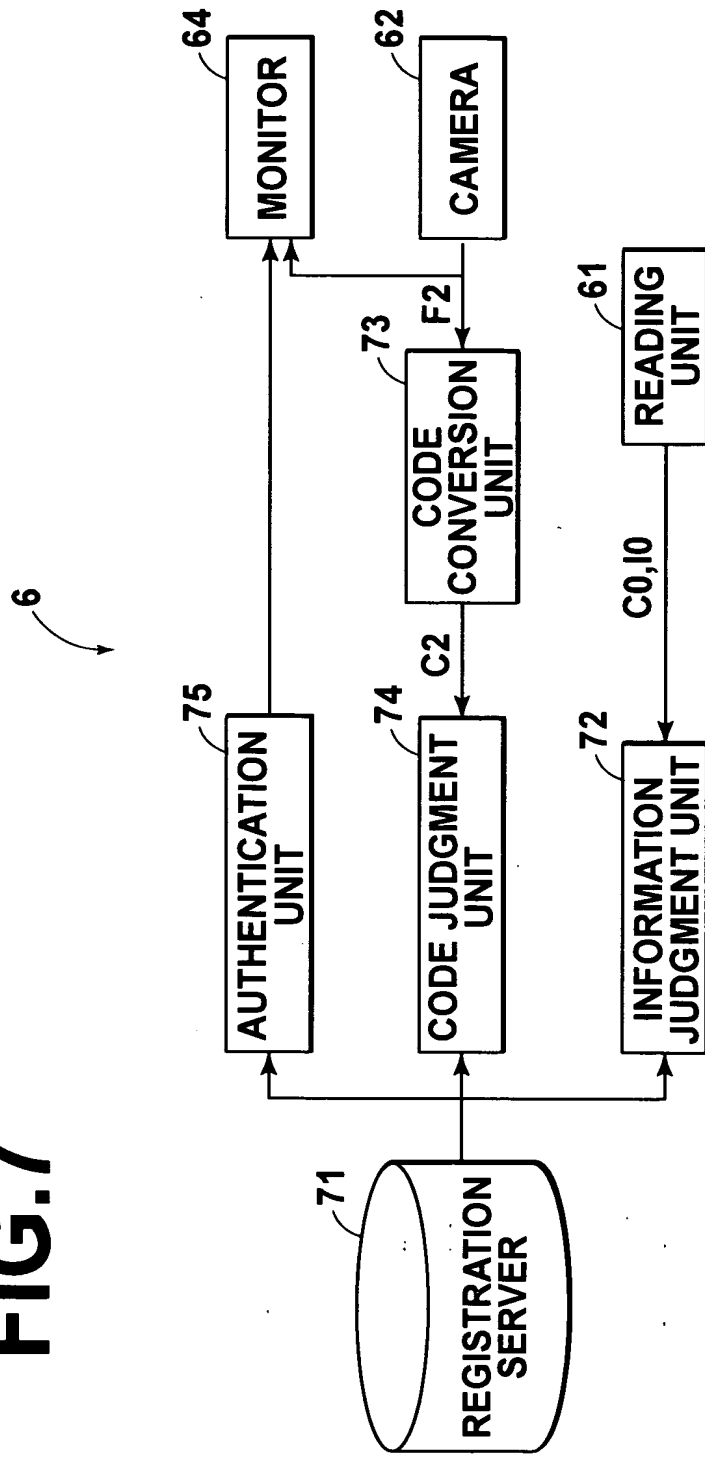


< FACE AUTHENTICATION  
TERMINAL >

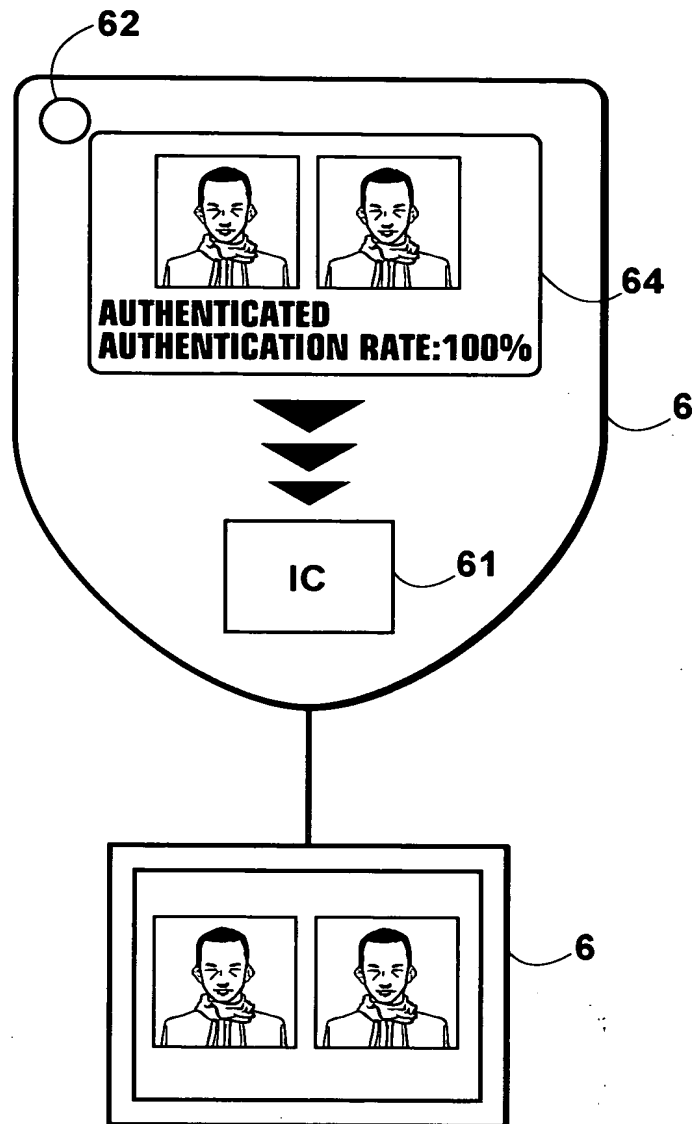
< FACE AUTHENTICATION  
APPARATUS >



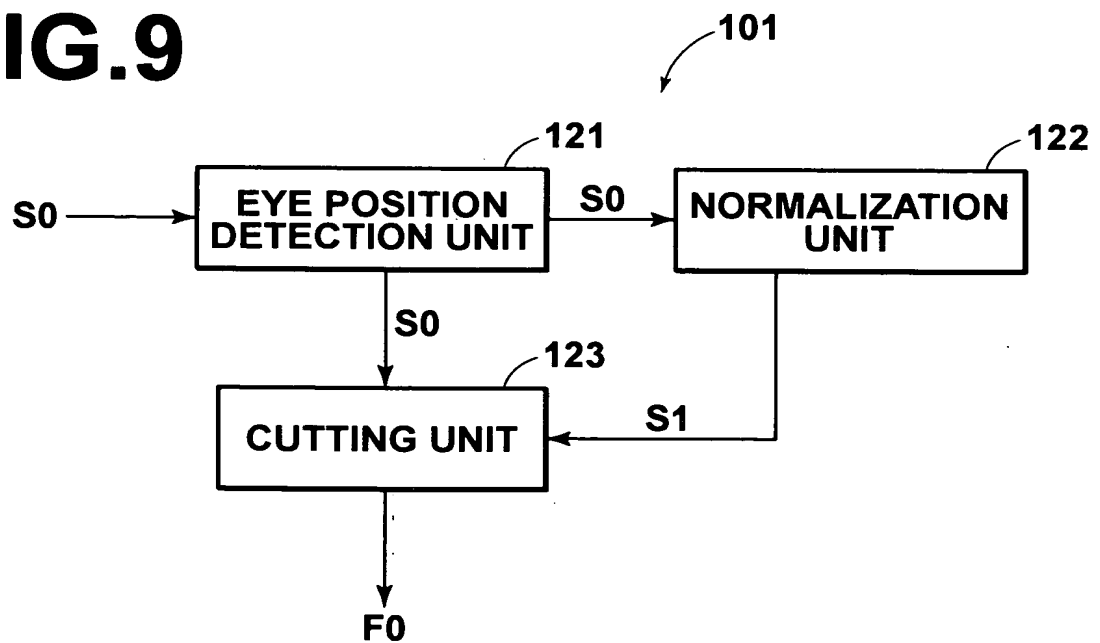
# FIG. 7

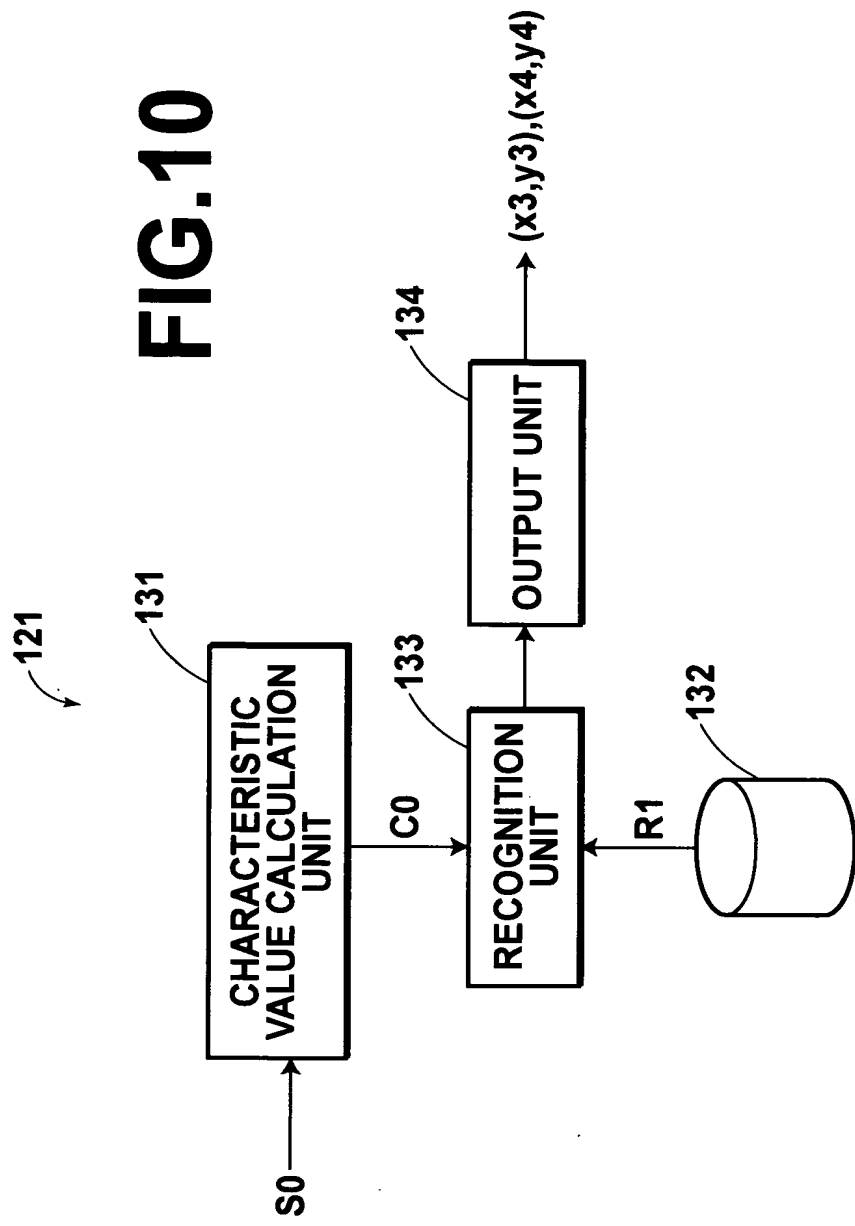


**FIG.8**

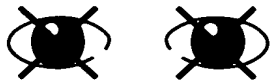


**FIG.9**









**FIG.11A**



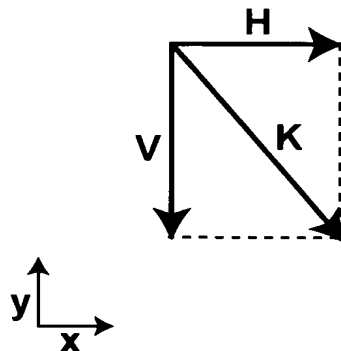
**FIG.11B**

1	1	1
0	0	0
-1	-1	-1

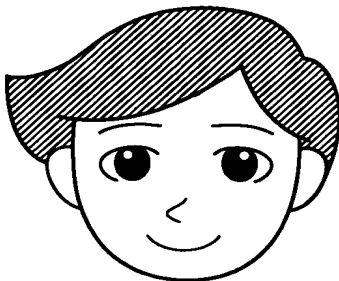
**FIG.12A**

1	0	-1
1	0	-1
1	0	-1

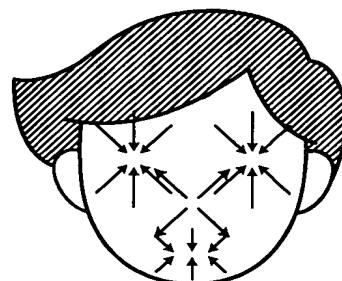
**FIG.12B**



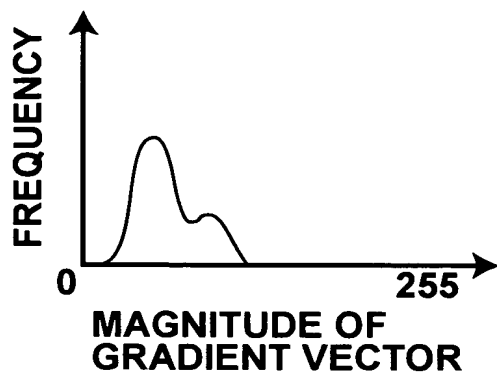
**FIG.13**



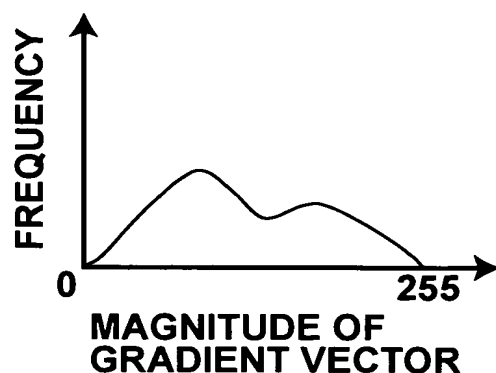
**FIG.14A**



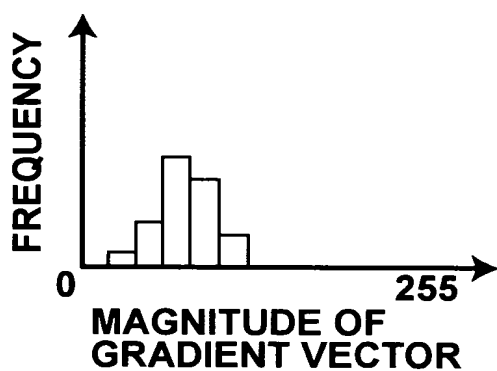
**FIG.14B**



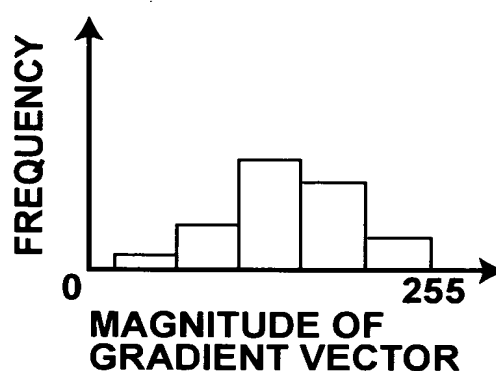
**FIG.15A**



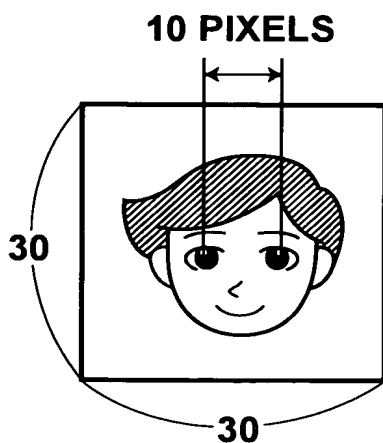
**FIG.15B**



**FIG.15C**

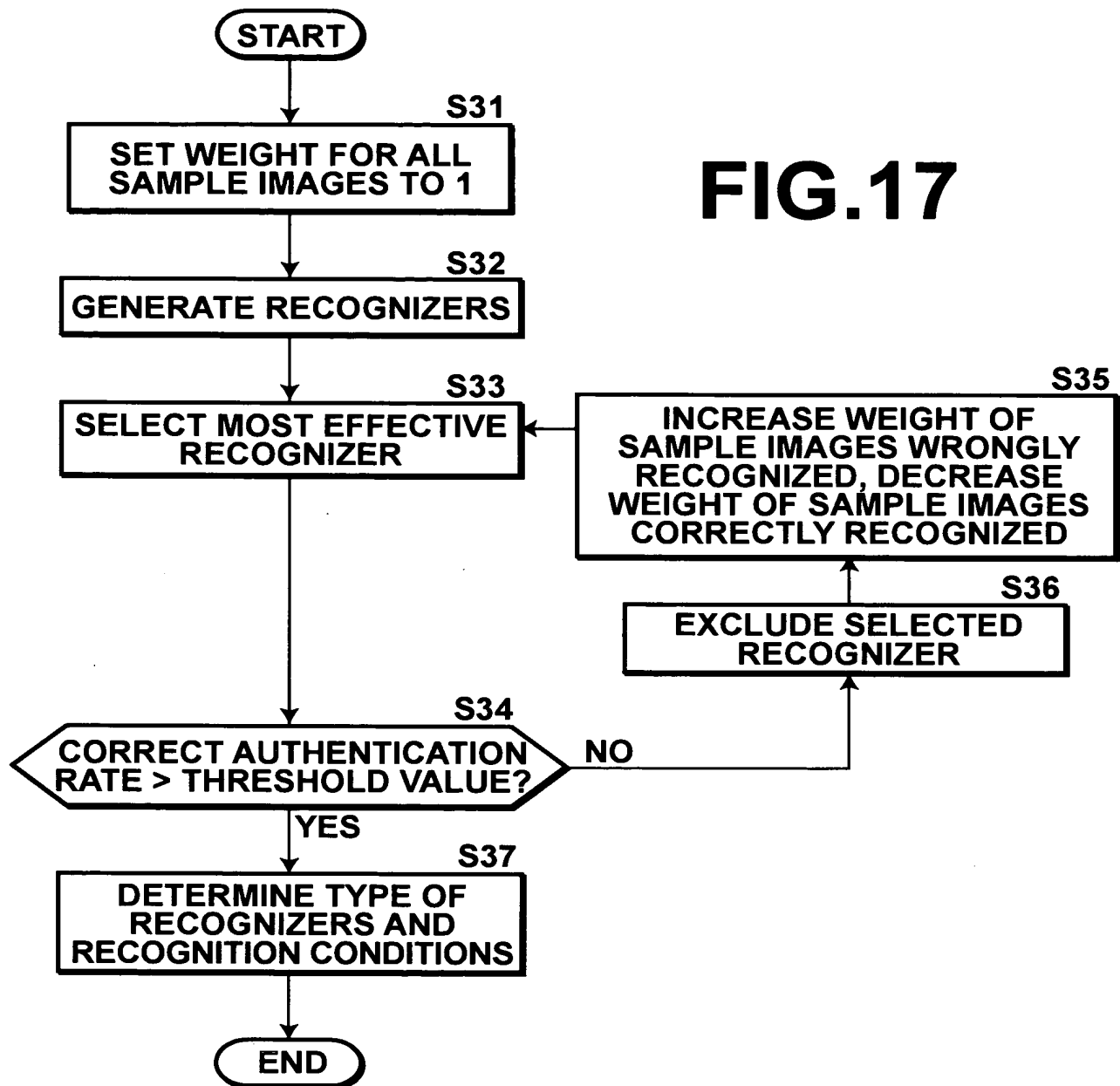


**FIG.15D**

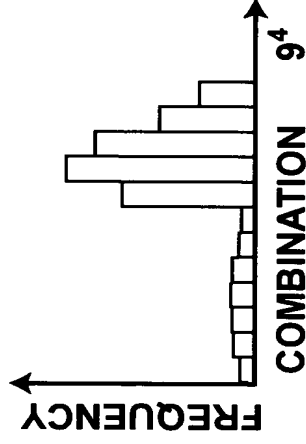
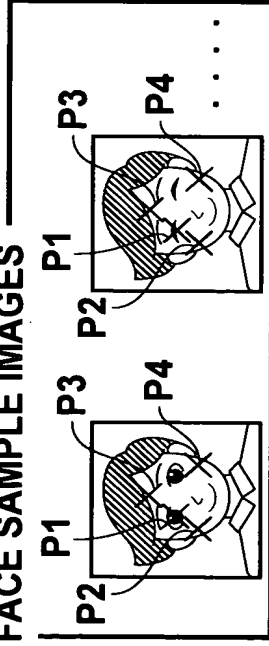


**FIG.16**

**FIG.17**



FACE SAMPLE IMAGES



NON-FACE SAMPLE IMAGES

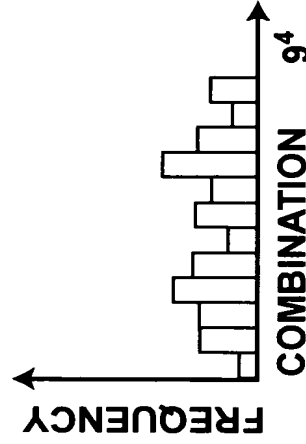
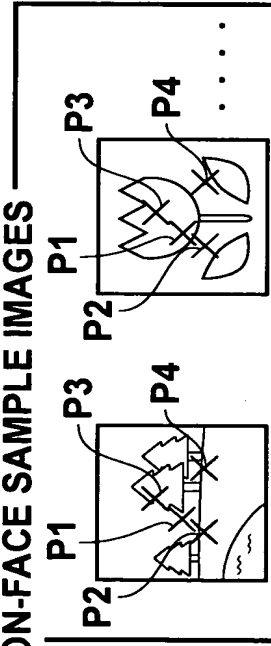
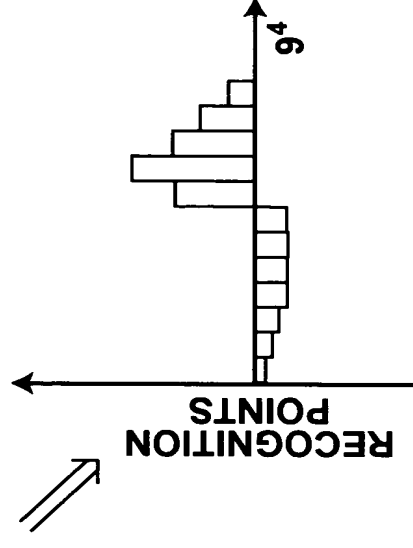
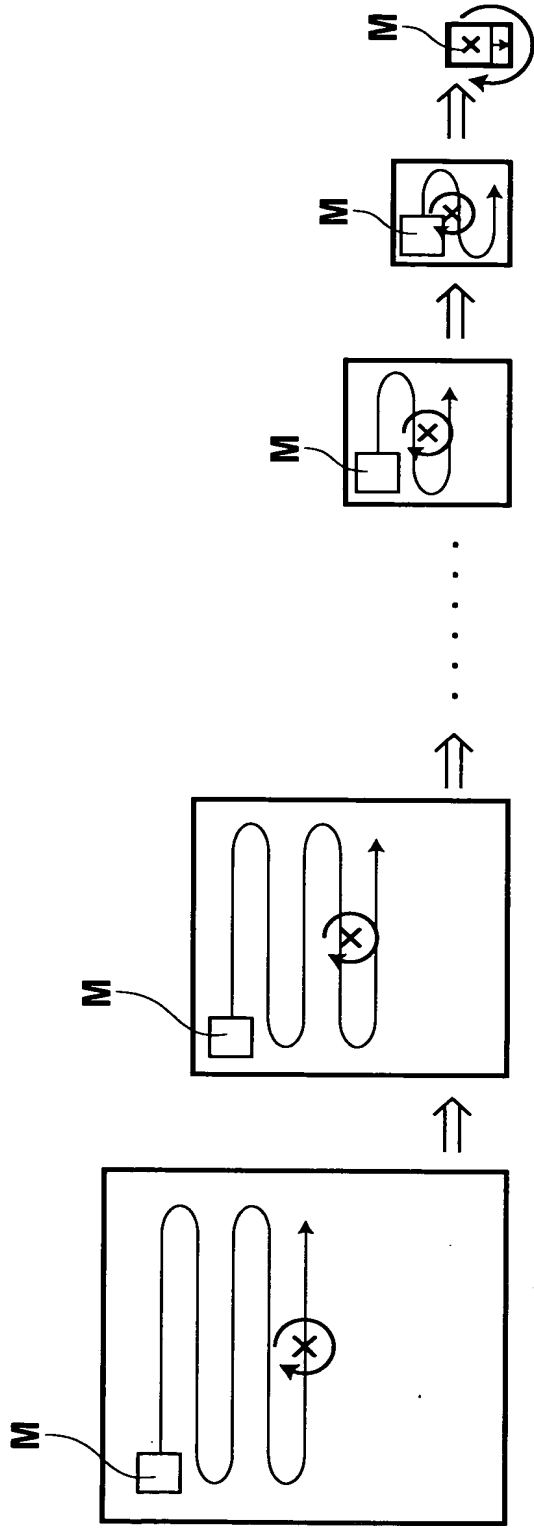


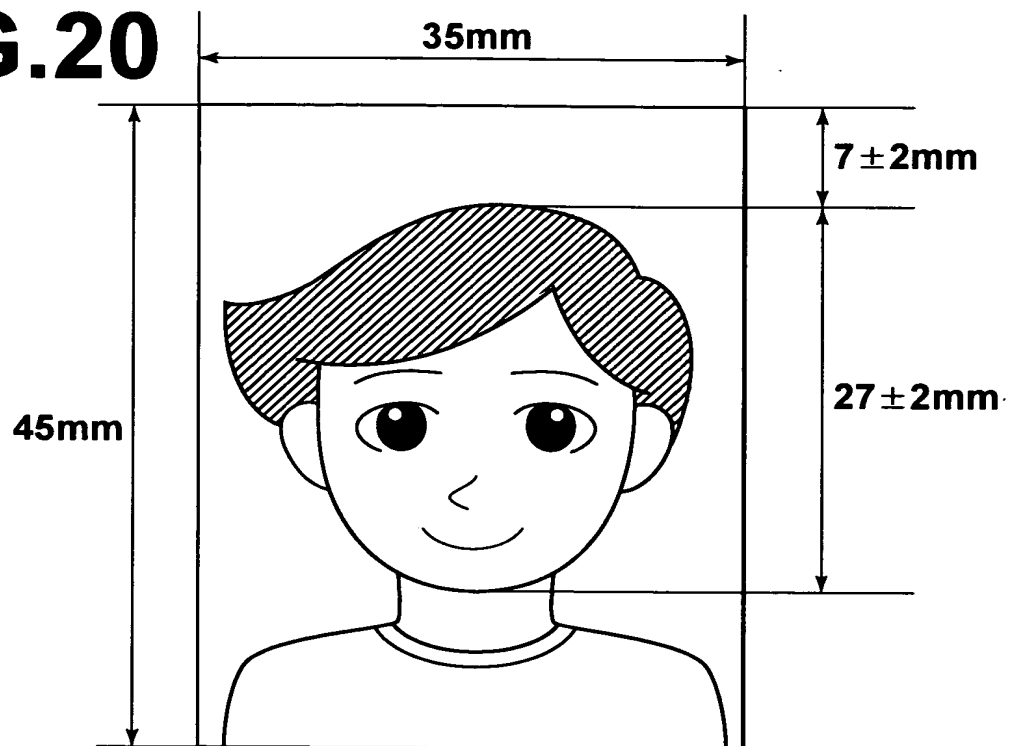
FIG.18



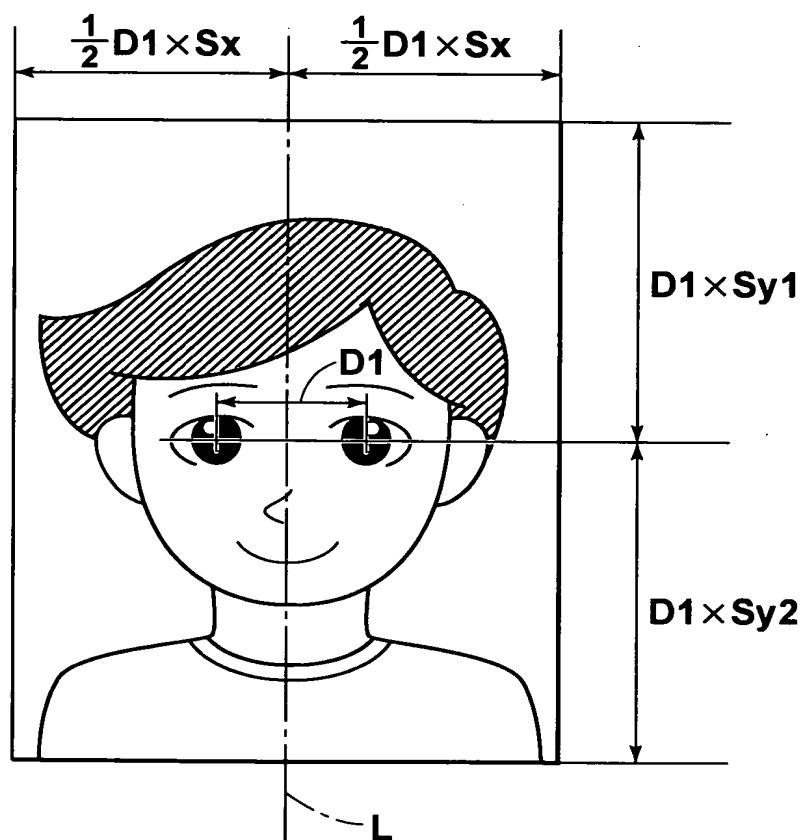


**FIG.19**

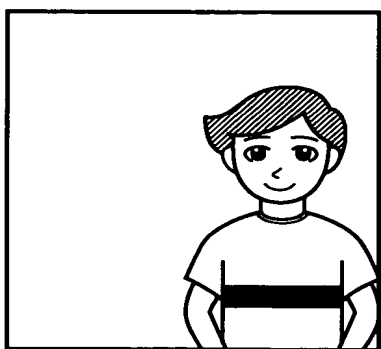
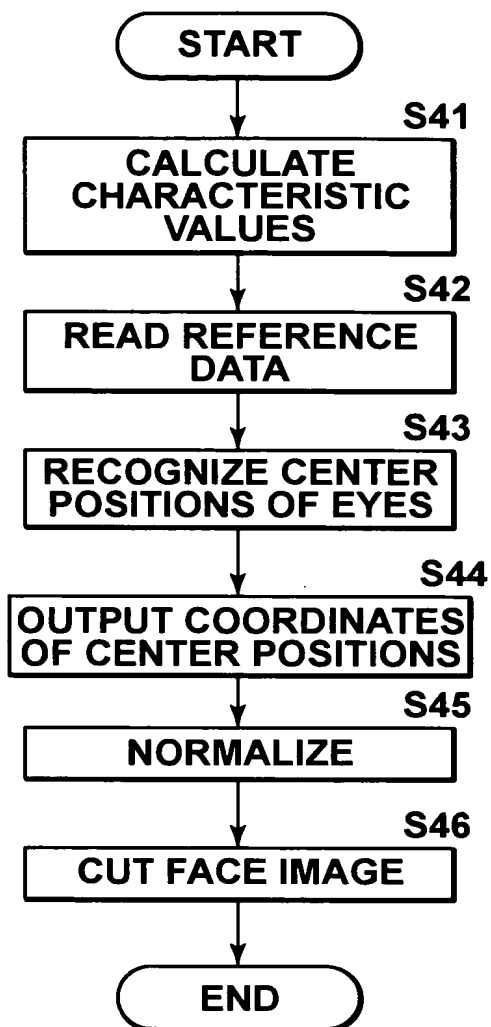
**FIG.20**



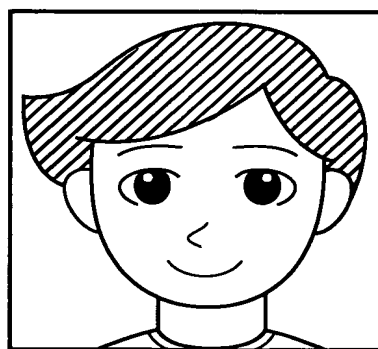
**FIG.21**



**FIG.22**



**FIG.23A**



**FIG.23B**